



L: 180 mm; W: 66 mm; H: 43 mm

Features & Benefits:

- Omi-directional Reading of Linear Barcodes and Most Widely Used 2D Barcodes
- Turnkey Remote Device Management to Easily Manage and Track Usage of Installed Devices
- Flexible Licensing for Additional Functionality as Needed

Omni-Directional Handheld 2D Imager

The 1400G delivers omni-directional area imaging scanning, reading linear barcodes with the ability to affordably upgrade to enable PDF and 2D barcode scanning—at the time of purchase or as scanning needs evolve. Performing at speeds that are comparable to laser-based scanners, the versatile and reliable 1400G can be customized to meet current and future scanning needs.

The 1400G enables PDF and 2D barcode scanning without extra value-added features, such as advanced image capture and processing applications, which increase cost. In addition, the 1400G offers an exceptional value for enterprises that require the versatility of area-imaging technology.

Applications:

- Mobile Devices
- Industrial
- Medical



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1400G

Performance	
Scan Pattern	Area Image (640 x 480 pixel array)
Motion Tolerance	Up to 10 cm/s (40 in/s) for 13 mil UPC at optimal focus
Scan Angle	Horizontal 42.4°, Vertical 30.8°
Symbol Contrast	35% minimum reflectance difference
Pitch, Skew	60°, 70°
Decode Capability	1400g1D: all standard 1D symbologies 1400gPDF: all standard ID and PDF417 symbologies 1400g2D: all standard 1D, PDF417 and 2D symbologies
Warranty	5 year factory warranty
Mechanical/Electrical	
Dimensions (L x W x H)	180 mm x 66 mm x 43 mm (7.1" x 2.6" x 1.7")
Weight	119 g (4.2 oz.)
Input Voltage	4.0 to 5.5 VDC
Operating Power	2 W (400mA @ 5VDC)
Standby Power	.45 W (90mA @ 5VDC)
Host System Interfaces	USB, Keyboard Wedge, RS232, IBM 46xx (RS485)
Environmental	
Operating Temperature	0° to 40°C (32° F to 104° F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	0% to 95% relative humidity, noncondensing
Drop Specifications	Designed to withstand 30 drops to concrete from 1.5m
Environmental Sealing	IP42
Light Levels	0 to 100,000 lux (9,290 foot candles)
Typical Performance – Narrow Width (may be impacted by barcode quality and environmental conditions)	Depth of Field
5 mil Code 39 13 mil UPC 20 mil Code 39 6.7 mil PDF417 10 mil DataMatrix 20 mil QR	28 mm – 90 mm (1.1" – 3.5") 25 mm – 250 mm (1.0" – 9.8") 30 mm – 350 mm (1.2" – 13.7") 25 mm – 90 mm (1.0" – 3.5") 25 mm – 95 mm (1.0" – 3.7") 15 mm – 195 mm (.6" – 7.7")

ABOUT JADAK:

JADAK, a business unit of Novanta, is a market leader in machine vision, RFID, barcode, printing, and color and light measurement products and services for original equipment manufacturers. The company designs and manufactures embedded detection and analysis solutions that help customers solve unique inspection, tracking, scanning and documenting. The company is ISO 9001 and ISO 13485 registered.

Novanta is a trusted technology partner to OEMs in the medical and advanced industrial technology markets, with deep proprietary expertise in photonics, vision and precision motion technologies.

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